Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/07/2022 09:51 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123551	-2	6.17	123395	6.32
Blue	F	SSC	125000	125697	0	6.61	126296	6.72
Blue	E	FITC	13602	13261	-3	6.58 (1)	372	15.46
Blue	D	PE	24891	24366	-3	6.5	580	12.48
Blue	B	PerCP-Cy5-5	33972	33325	-2	7.24	955	16.94
Blue	A	PE-Cy7	22865	22575	-2	9.33	469	34.46
Red	C	APC	47198	46413	-2	5.3	1600	12.91
Red	A	APC-Cy7	26454	25558	-4	6.5	720	14.34
Violet	B	V450	6737	6512	-4	7.43 (2)	460	13.87
Violet	A	V500	29317	28263	-4	7.18	968	10.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23578	6.5	543	8	N/A	N/A	Pass
Blue	F	SSC	54970	6.44	523	2	N/A	N/A	Pass
Blue	E	FITC	54	58.52	491	7	0.0386	163	Pass
Blue	D	PE	112	41.82	494	8	0.4030	371	Pass
Blue	B	PerCP-Cy5-5	146	45.06	589	10	0.0179	89	Pass
Blue	A	PE-Cy7	74	88.39	637	16	0.0182	0	Pass
Red	C	APC	329	27.97	578	6	0.0249	175	Pass
Red	A	APC-Cy7	131	37.76	557	6	0.0054	1222	Pass
Violet	B	V450	77	50.83	454	4	0.0439	2052	Pass
Violet	A	V500	111	32.29	473	4	0.0219	616	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.53	-31.14	1.10
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.84	13.90 - 20.86	N/A	N/A	29.43	29.81	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11552

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments